Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- (original) A method of removing arsenic from arsenic-containing water comprising: contacting said water with a precipitating composition comprising a metal salt hydroxide-gel.
- (original) The method of claim 1, further comprising separating said water from said precipitating composition.
- (original) The method of claim 2, wherein said separating is performed using a filter
- (previously presented) The method of claim 3, wherein said filter is a filter screen or septum made of water-compatible material coated with diatomaceous earth.
- (original) The method of claim 4, wherein said water-compatible material is polyethylene, polypropylene or stainless steel.
- (previously presented) The method of claim 3, wherein said filter is a diatomaceous earth filter bed.
- (previously presented) The method of claim 6, wherein said filter is a diatomaceous earth filter bed coated with a metal salt hydroxide-gel.
- (previously presented) The method of claim 2, wherein said separating step is performed using diatomaceous earth -assisted settling or diatomaceous earth assisted centrifuge.
- (original) The method of claim 2, wherein said separating step is performed using settling or flotation of hydroxide-gels.
- (original) The method of claim 1, wherein said metal salt hydroxide-gel is formed prior to contacting said water with said precipitating composition.

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- (original) The method of claim 10, wherein said metal salt hydroxide-gel is formed by adjusting the pH of a solution containing metal salts so that a metal salt hydroxide-gel is formed.
- (original) The method of claim 1, wherein the pH of the precipitating composition and arsenic-containing water is adjusted to form a metal salt hydroxide-gel after contacting the precipitating composition and said water.
- (original) The method of claim 1, wherein said composition is contacted with said arsenic-containing water at a pH from about 2 to about 14.
- 14. (original) The method of claim 1 wherein said contacting step is performed using a member of the group consisting of: mechanical mixing, ultrasonic mixing, mixing in-line using an atomizer, mixing in-line using venturi and mixing using metering pumps.
- 15. (previously presented) A method of removing arsenic from arsenic-containing water comprising: coating diatomaceous earth with one or more metal salt hydroxide-gels to form diatomaceous earth pre-coated hydroxide-gels; and contacting said arsenic-containing water with said diatomaceous earth precoated hydroxide-gels.
- 16. (original) The method of claims 1 or 15, wherein said metal salt hydroxide-gel is formed from at least one member of the group consisting of: lanthanum chloride, lanthanum nitrate, lanthanum carbonate, ferric chloride, ferric sulfate, magnesium chloride, magnesium nitrate, magnesium carbonate, aluminum chloride, aluminum nitrate, aluminum sulfate, and sodium aluminate.
- (original) The method of claim 16, wherein said precipitating composition comprises more than one different metal salt.
- (original) The method of claim 1 or 15, wherein said arsenic-containing water contains arsenic at a concentration of about 10 ppb to 100 ppm.

- (original) The method of claim 18, wherein said arsenic-containing water contains one or more members selected from the group consisting of: arsenite and arsenate.
- (original) The method of claim 18, wherein said arsenic-containing water comprises one or more members of the group selected from: raw water, well water, drinking water, and process water.
- (original) The method of claim 1 or 15, wherein said composition is contacted with said arsenic-containing water for a time of between about 1 minute to about 6 minutes at a pH between about 3 and about 12.
- (original) The method of claim 1 or 15, wherein said metal salt hydroxide-gel comprises lanthanum and iron.
- (original) The method of claim 1 or 15, wherein said lanthanum and iron are added to said water at weight ratios of between about 1:1 and 1:10 of lanthanum:iron.
- (original) The method of claim 3, wherein said filter is selected from the group consisting of: diatameous earth (DE), cellulose, and perlite.
- (original) The method of claim 1 or 15, wherein said metal salt hydroxide-gel consists essentially of lanthanum hydroxide.
- (original) The method of claim 1 or 15, wherein said metal salt hydroxide-gel is a rare earth hydroxide.
- (original) A method of removing heavy metals from heavy metal-containing solution comprising: contacting said solution with a metal salt hydroxide-gel; and passing said solution through a filter.
- (original) The method of claim 27, wherein said metal salt hydroxide-gel comprises lanthanum and iron.
- (previously presented) The method of claim 27, wherein said filter is a diatomaceous earth filter bed.

- (original) The method of claim 27, wherein said filter is a DE filter bed coated with a metal salt hydroxide-gel.
- (withdrawn) A composition for removing arsenic or heavy metal from arsenic- or heavy metal-containing water comprising: diatomaceous earth, a lanthanum salt and an iron salt
- (withdrawn) The composition of claim 31, wherein said lanthanum salt and iron salt are chlorides.
- 33. (withdrawn) The composition of claim 31, wherein said metal is arsenic.
- 34. (withdrawn) The composition of claim 31, wherein said metal is a heavy metal.
- 35. (original) A method of using the composition of claim 31, comprising mixing the precipitating composition with arsenic- or heavy metal-containing water and adjusting the pH so that a metal salt hydroxide-gel is formed.
- (withdrawn) A method of making a DE-coated hydroxide-gel comprising: contacting a precipitating composition with DE; and adjusting the pH to form a DE-coated hydroxide-gel.
- (withdrawn) A method of making a DE-coated hydroxide-gel comprising: contacting metal salts with DE, forming a composition; and aging the composition.
- (withdrawn) The method of claim 37, further comprising separating the solid composition from the liquid.
- (withdrawn) The method of claim 37, further comprising contacting arseniccontaining water with the composition; and adjusting the pH of the resulting composition to form a DE-coated gel.